activated by dithiothreitol and EDTA and inhibited by p-chloromercuribenzoate and iodoacetic acid. It was also inhibited by N-tosyl-L-lysyl chloromethyl ketone, N-tosyl-L-phenylalanyl chlorometylketone, bovine blood serum and partially by soybean trypsin inhibitor. DFP [diisoprupylfluorophosphate], trasylol and &- amino-caproic acid had no effect. Beside histone, the neutral protease hydrolyzed casein and .gamma .-globulin and fibrinogen in a low extent. The enzyme had no activity toward N-benzoyl-D,L-arginine p-nitroanilide, N-benzoyl-L- arginine ethyl ester and N-acetyl-L-tyrosine ethyl ester, collagen, elastin and fibrin. Some properties of the enzyme were similar to those of neutral SH-dependent proteases described by Hayashi and Lo Spalluto et al.

=> dis his

```
(FILE 'HOME' ENTERED AT 15:21:01 ON 23 FEB 2006)
     FILE 'REGISTRY' ENTERED AT 15:21:47 ON 23 FEB 2006
               STR
L1
              8 S L1
L2
             81 S L1 FUL
L3
     FILE 'CAPLUS' ENTERED AT 15:28:27 ON 23 FEB 2006
L4
             32 S L3
            289 S WENDER P?/AU
L5
            146 S ROTHBARD J?/AU
L6
           1065 S WRIGHT L?/AU
L7
L8
             24 S KREIDER E?/AU
              3 S L5 AND L6 AND L7 AND L8
L9
L10
              2 S L9 NOT L4
             25 S (L5 OR L6 OR L7 OR L8) AND ARGININE AND TRANSPORT?
L11
             18 S L11 NOT (L4 OR L9)
L12
     FILE 'REGISTRY' ENTERED AT 15:32:18 ON 23 FEB 2006
                E ARGININE/CN 5
L13
              2 S E3
                E "Γ-AMINO CAPROIC ACID"/CN 5
             11 S GAMMA (L) AMINO (L) CAPROIC ACID
L14
     FILE 'CAPLUS' ENTERED AT 15:33:27 ON 23 FEB 2006
         116344 S (L13 OR ?ARGININE? OR L3/P OR L3/D)
L15
           3409 S L14 OR GAMMA(L)AMINO(L)CAPROIC ACID OR ACA
L16
             82 S L15 AND L16
L17
L18
             81 S L17 NOT (L9 OR L4 OR L11)
L19
              3 S L18 AND TRANSPORT?
     FILE 'MEDLINE, BIOSIS, EMBASE, WPIDS' ENTERED AT 15:36:03 ON 23 FEB 2006
          71518 FILE MEDLINE
L20
L21
          81580 FILE BIOSIS
          69950 FILE EMBASE
L22
L23
           8058 FILE WPIDS
     TOTAL FOR ALL FILES
         231106 S L13 OR ?ARGININE?
L24
L25
           3095 FILE MEDLINE
           3238 FILE BIOSIS
L26
           2760 FILE EMBASE
L27
```

620 FILE WPIDS

TOTAL FOR ALL FILES

L28

9713 S L14 OR GAMMA(L)AMINO(L)CAPROIC ACID OR ACA L29 O FILE MEDLINE L30 L31 12 FILE BIOSIS L32 1 FILE EMBASE L33 2 FILE WPIDS TOTAL FOR ALL FILES 15 S L24 AND L29 AND (TRANSPORT? OR L5 OR L6 OR L7 OR L8) L34 15 DUP REM L34 (0 DUPLICATES REMOVED) L35 => d 13 que stat STR

NH--C=-O @18 19 20

VAR G1=12/8
VAR G2=16/18
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

L3 81 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 3330 ITERATIONS 81 ANSWERS

SEARCH TIME: 00.00.01

=> log yCOST IN U.S. DOLLARS SINCE FILE TOTAL SESSION ENTRY FULL ESTIMATED COST 53.51 506.23 SINCE FILE DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) TOTAL ENTRY SESSION CA SUBSCRIBER PRICE 0.00 -41.25

STN INTERNATIONAL LOGOFF AT 15:39:27 ON 23 FEB 2006

```
C:λProgram Files\Stnexp\Queries\acaarg2-1
```

```
ring/chain nodes :
   4 22
chain bonds :
   1-2 2-3 2-12 3-4 3-9 5-10 5-6 5-22 6-7 7-8 7-13 8-11 12-14 13-18 14-15 15-16 15-17 18-19 19-20 19-21
ring/chain bonds :
   4 - 22
exact/norm bonds :
   1-2 2-3 2-12 3-4 3-9 4-22 5-10 5-6 5-22 6-7 7-8 7-13 8-11
    12-14 13-18 14-15 15-16 15-17 18-19 19-20 19-21
Match level :
    1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS
    9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
    16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS
Generic attributes :
    12:
    Type of chain
                          : Linear
    Saturation
                          : Saturated
    13:
                       : Linear
: Saturated
    Type of chain
    Saturation
```

12

13 14

15

16

17

18

19

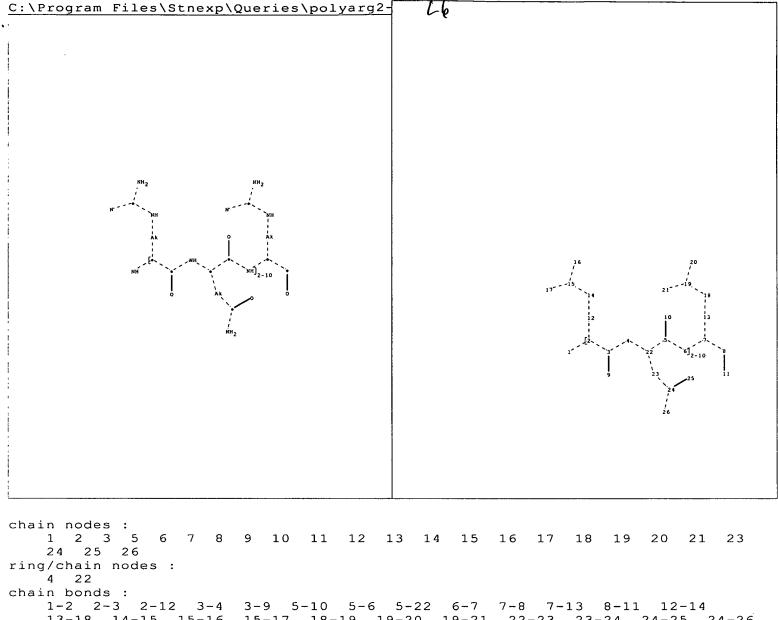
20

21

11

chain nodes :

1 2 3 5 6 7 8 9 10



```
ring/chain bonds :
   4-22
exact/norm bonds :
    1-2 \quad 2-3 \quad 2-12 \quad 3-4 \quad 3-9 \quad 4-22 \quad 5-10 \quad 5-6 \quad 5-22 \quad 6-7 \quad 7-8 \quad 7-13 \quad 8-11
    12 - 14 \quad 13 - 18 \quad 14 - 15 \quad 15 - 16 \quad 15 - 17 \quad 18 - 19 \quad 19 - 20 \quad 19 - 21 \quad 22 - 23 \quad 23 - 24 \quad 24 - 25
    24-26
Match level :
    1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS
    9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
                                   19:CLASS 20:CLASS 21:CLASS 22:CLASS
    16:CLASS 17:CLASS 18:CLASS
    23:CLASS 24:CLASS 25:CLASS
                                   26:CLASS
Generic attributes :
    12:
    Type of chain
                           : Linear
                            : Saturated
    Saturation
    13:
    Type of chain
                           : Linear
    Saturation
                            : Saturated
    23:
                           : Linear
    Type of chain
```

: Saturated

Saturation

```
C:\Program Files\Stnexp\Queries\polyarg3-
```

15

16

17

```
1 2 3 5 6 7 8 9 10 11 12 13 14
ring/chain nodes :
   4
chain bonds :
   1-2 2-3 2-9 3-4 3-7 4-5 5-10 5-6 6-8 9-11
                                                      10-15 11-12
                                                                   12-13
   12-14 15-16 16-17 16-18
exact/norm bonds :
   1-2 2-3 2-9 3-4 3-7 4-5 5-10 5-6 6-8 9-11
12-14 15-16 16-17 16-18
                                                      10-15
                                                             11-12
                                                                    12-13
Match level :
    1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS
    9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
    16:CLASS 17:CLASS 18:CLASS
Generic attributes :
    9:
   Type of chain
                         : Linear
                         : Saturated
    Saturation
    10:
                       : Linear
: Saturated
    Type of chain
    Saturation
```

chain nodes :

C:\Program Files\Stnexp\Queries\aca2-10.s

```
chain nodes :
   1 2 3 4 5 6 7
                      8 9
                            10
                                11
                                   12
                                       13
                                           14
                                               15
                                                  16
                                                      17
                                                          18
                                                             19
                                                                 20
                                                                     21
   22 23 24 25 26
chain bonds :
   1-2 2-3 2-17 3-4 3-14
                           4-5 5-6 6-7 7-8 8-9 9-10 10-11 10-15
```

```
11-12 12-13 12-18 13-16 17-19 18-23
                                          19-20 20-21 20-22 23-24 24-25
   24-26
exact/norm bonds :
   1-2 2-3 2-17 3-4
                       3-14 4-5 5-6 6-7
                                           7-8 8-9 9-10 10-11 10-15
   11-12 12-13 12-18 13-16 17-19 18-23 19-20 20-21 20-22 23-24 24-25
   24-26
Match level :
   1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS
   9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
   16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS
   23:CLASS 24:CLASS 25:CLASS 26:CLASS
Generic attributes :
   17:
   Type of chain
                         : Linear
   Saturation
                         : Saturated
   18:
                      : Linear
: Saturated
   Type of chain
   Saturation
```

```
C:\Program Files\Stnexp\Queries\aca2-6.st
```

```
22 23 24 25 26
chain bonds :
   1-2 2-3 2-17 3-4 3-14
                           4-5 5-6 6-7 7-8 8-9 9-10 10-11 10-15
   11-12 12-13 12-18 13-16 17-19 18-23
                                          19-20 20-21 20-22 23-24 24-25
   24-26
exact/norm bonds :
                      3-14 4-5 5-6 6-7
                                         7-8 8-9 9-10 10-11 10-15
   1-2 2-3 2-17 3-4
   11-12 12-13 12-18 13-16 17-19 18-23 19-20 20-21 20-22 23-24 24-25
   24-26
Match level :
   1:CLASS
           2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS
   9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
   16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS
   23:CLASS 24:CLASS 25:CLASS 26:CLASS
Generic attributes :
   17:
   Type of chain
                        : Linear
   Saturation
                        : Saturated
   18:
                      : Linear
   Type of chain
                       : Saturated
   Saturation
```

chain nodes :

1 2 3 4 5 6 7

8

9

10

11

12

13

14

15

16

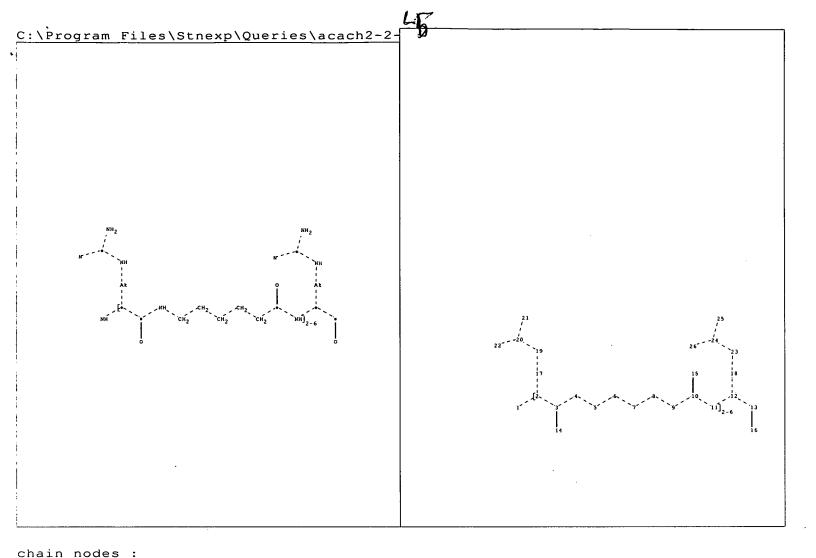
17

18

19

20

21



```
1 2 3 4 5 6 7
22 23 24 25 26
     1-2 \quad 2-3 \quad 2-17 \quad 3-4 \quad 3-14 \quad 4-5 \quad 5-6 \quad 6-7 \quad 7-8 \quad 8-9 \quad 9-10 \quad 10-11 \quad 10-15
     11-12 \quad 12-13 \quad 12-18 \quad 13-16 \quad 17-19 \quad 18-23 \quad 19-20 \quad 20-21 \quad 20-22 \quad 23-24 \quad 24-25
    24-26
exact/norm bonds :
     1-2 2-3 2-17 3-4 3-14 4-5 5-6 6-7 7-8 8-9 9-10 10-11 10-15
11-12 12-13 12-18 13-16 17-19 18-23 19-20 20-21 20-22 23-24 24-25
    1-2 2-3 2-17
     24-26
Match level :
              2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS
    1:CLASS
     9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
     16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS
     23:CLASS 24:CLASS 25:CLASS 26:CLASS
Generic attributes :
     17:
                                : Linear
     Type of chain
                                : Saturated
     Saturation
     18:
                             : Linear
     Type of chain
     Saturation
                                : Saturated
```

10

11

12

13

14

15

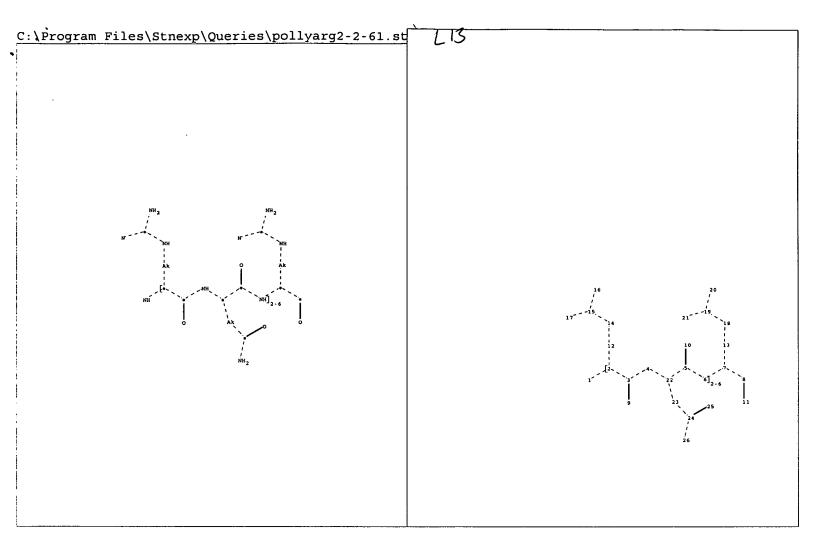
16

17

19

20

21



chain nodes :

ing/chain nodes 4 22

chain bonds :

1-2 2-3 2-12 3-4 3-9 5-10 5-6 5-22 6-7 7-8 7-13 8-11 12-14 13-18 14-15 15-16

15-17 18-19 19-20 19-21 22-23 23-24 24-25 24-26

ring/chain bonds :

4-22

exact/norm bonds :

1-2 2-3 2-12 3-4 3-9 4-22 5-10 5-6 5-22 6-7 7-8 7-13 8-11 12-14 13-18 14-15 15-16 15-17 18-19 19-20 19-21 22-23 23-24 24-25 24-26

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS

20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS

Generic attributes :

12:

Type of chain : Linear Saturation : Saturated

13:

Type of chain : Linear Saturation : Saturated

23:

Type of chain : Linear Saturation : Saturated